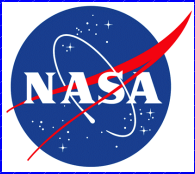


Ames Research Center

David B. King, CIH

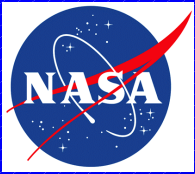
Chief, Safety, Health and Medical Services,

March 20, 2001



Ames Research Center





Space Camp



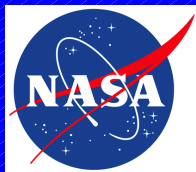
SOFIA



Wright Flyer



Information Systems



Ames Research Center

Safety, Health and Medical Services Office

William Berry
Center Deputy Director

Warren Hall
Director
Safety, Environmental and Mission Assurance

David King, CIH
Division Chief
Safety, Health and Medical Services

Miriam Glazer, MPH
Ergonomics
EAP/Wellness
Health Unit/Fitness

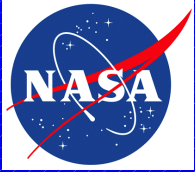
Stan Phillips, CIH
Industrial Hygiene
Health Physics
VPP

Michael Hulet, MS
Occupational Safety
Heavy Equipment Safety
Fall Protection

Patrick Hogan, MS
Information Technology
Safety Communications
Safety Accountability

Ralph Pelligra, MD
Human Research
Controlled Drugs

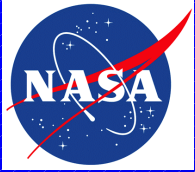
John Steen, PE, CSP
Fire Protection Eng.
Construction Safety
Center Facility Safety



Raising The Safety Bar

Fostering safety through:

- Meeting **A**mes **S**afety **A**ccountability **P**rogram Requirements
- OSHA Voluntary Protection Program (VPP) certification
- Inclusion of the contractor workforce

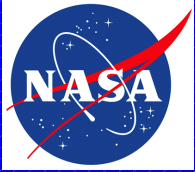


Ames Safety Principles

- All injuries can be prevented.
- Management is accountable for safety and responsible for preventing all injuries.
- *Working safely* is a condition of employment.
- All hazards can be controlled.
- Management has the responsibility to ensure that all employees are adequately trained.
- Injury prevention is essential to mission success.



Dr. Henry McDonald
Center Director



Your Safety Program

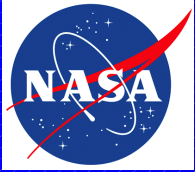
What ~~We~~ You Should be Doing

Take Responsibility

- Your personal safety
- The safety of your co-workers
- Identify and report safety hazards
- Assist in the correction of hazards in your area
- Attend necessary safety training
- Use protective equipment
- Follow procedures and change unsafe procedures
- Know and use the 7 “Ames (Your) Safety Principles”

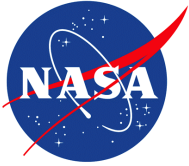
Be Honest

- Each person is responsible for reporting any injury to the Health Unit or their employer.



Ames Safety Accountability Program ASAP

- **Safety Accountability is now officially integrated into each supervisor and manager's annual performance planning and appraisal process.**
 - Safety Accountability metrics is the primary means for assessment of your safety performance and the recording period will begin on October 1, 2001, along with your normal performance period.
 - Pay-For-Performance
 - Annual supervisory bonuses are tied to ASAP metric performance
- **Safety Performance**
 - Now in **ALL** Ames performance plans



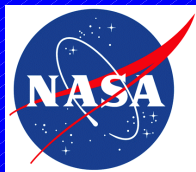
Safety Accountability Metrics for FY01

VPP Elements	Metric Description	Evaluation criterion
Management Leadership and Employee Involvement	Management Commitment to Safety and VPP Certification	A1) Supervisors conduct monthly safety meetings for their employees. (QH will provide materials). A2) Evacuation drill for your employees needs to be conducted sometime between 10/1/00 and 03/31/01. Code JFP will perform unannounced alarm actuation. B) Branch Chiefs, Division Chiefs and Directors attend VPP training . C) Directorate visibly demonstrates commitment to maintaining a safe work place and is pursuing VPP certification.
Work-site Analysis	Mishap Trends	Mishap Trend – Type A, B, C, Recordables and First Aid, Metric will be based on trend with comparison to previous year(s).
	Safety Inspections	Supervisors conduct monthly safety inspections and maintain inspection records. Each monthly inspection need not cover all of their work sites, but all work sites must be covered at least once each quarter. (Supervisors may accompany the VPP Assessment Team on safety inspections of their areas and receive credit for this metric up to three monthly surveys.) Results of all safety inspections must be posted in an area frequented by employees.



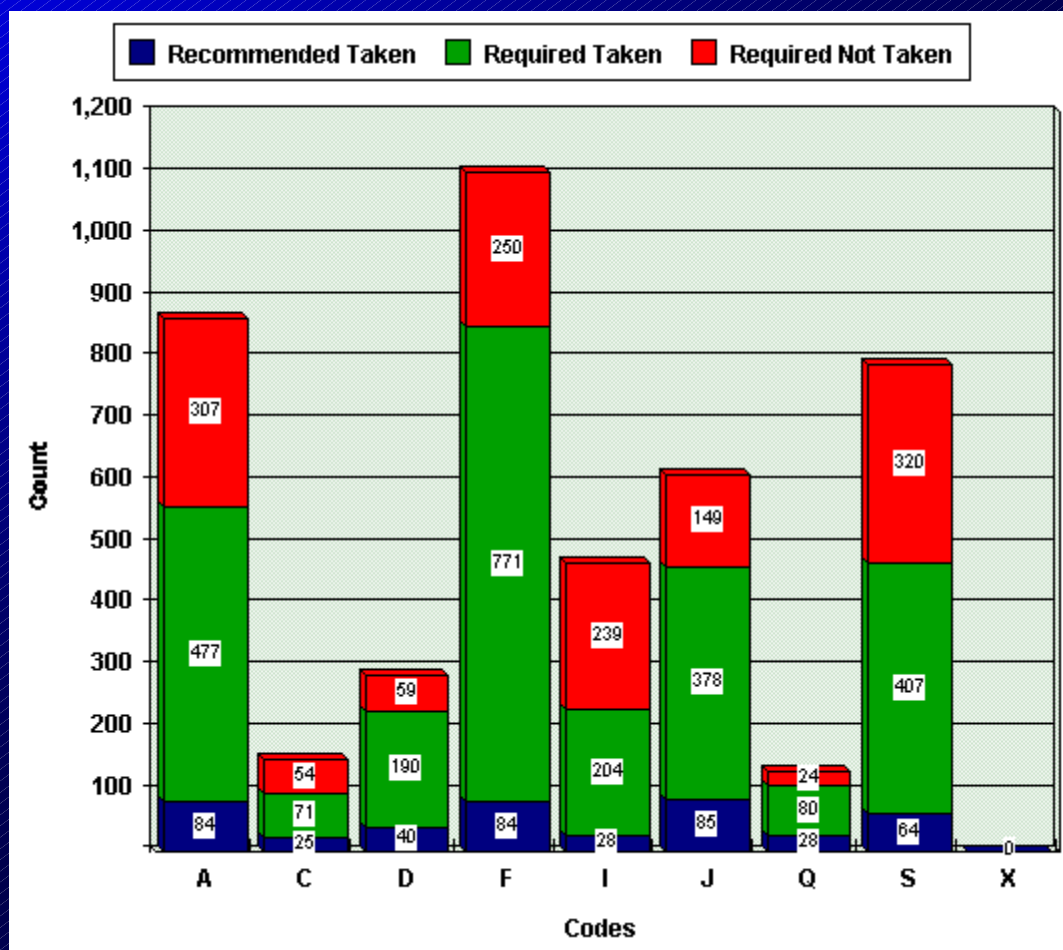
Safety Accountability Metrics for FY01

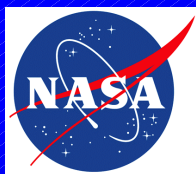
VPP Elements	Metric Description	Evaluation criterion
Hazard Prevention and Control	Hazard Correction	Managers and supervisors must correct hazards within their control and/or request support for abatement of hazards in facilities they do not entirely control. This metric will be evaluated based on the percentage of corrected to uncorrected hazards in the SITS database.
Safety and Health Training	Safety, Health and Env't. Training	Managers and supervisors must ensure that both them and their employees obtain legally required training. This metric will be based on the percentage of required training completed.



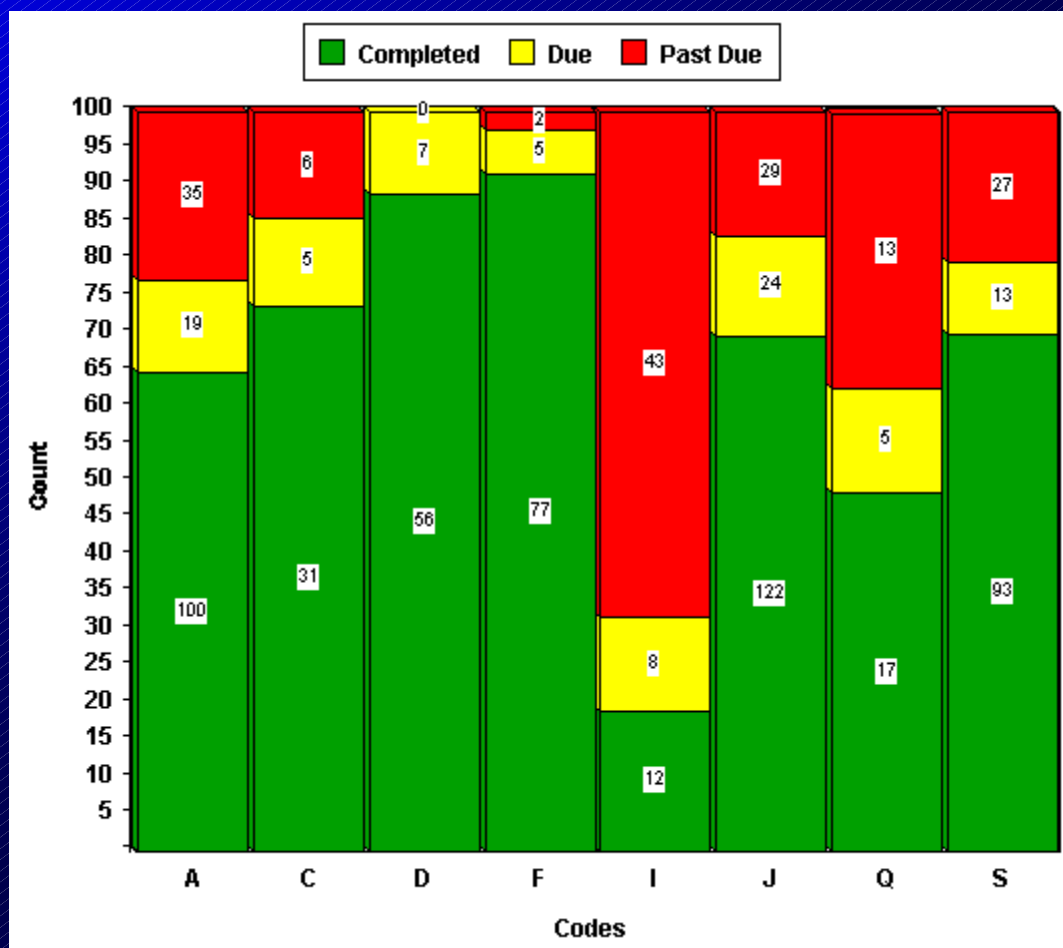
Safety Training

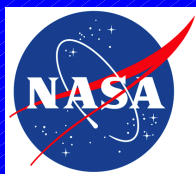
Ames Safety Accountability Program



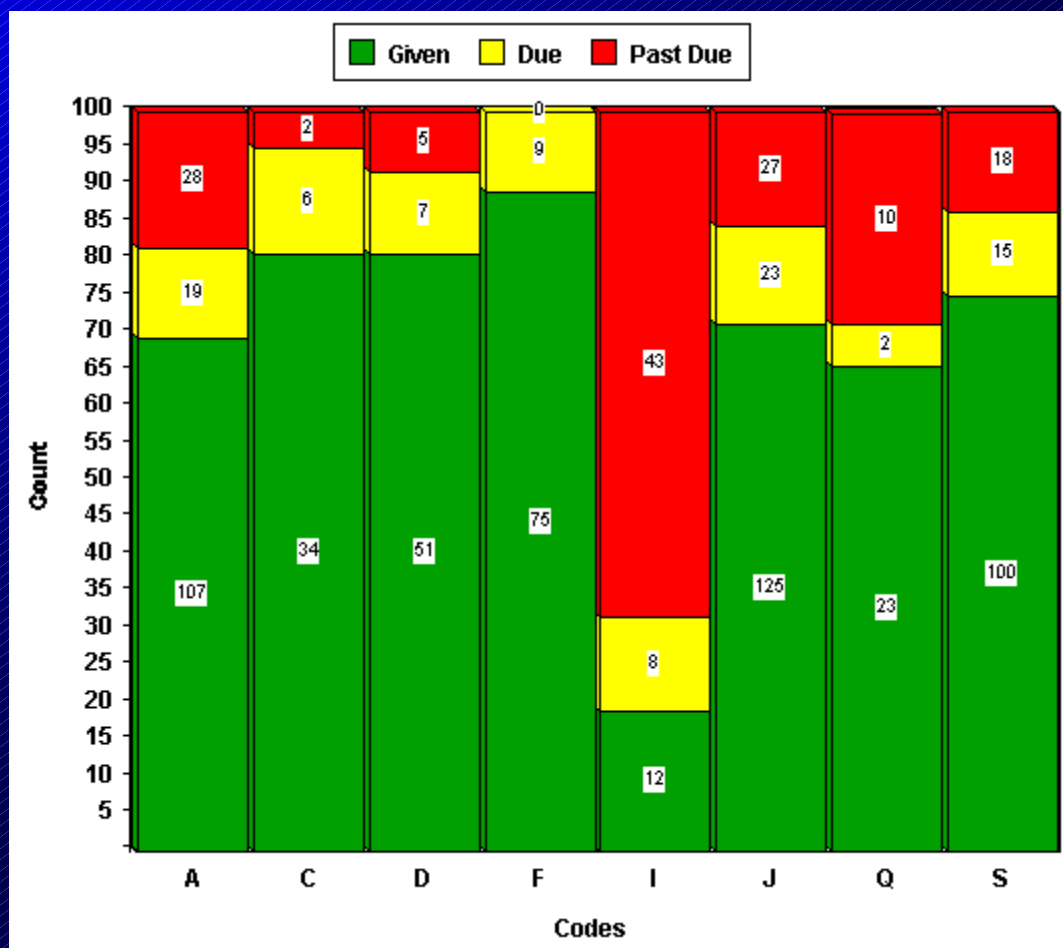


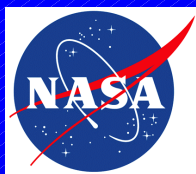
Monthly Safety Inspections Ames Safety Accountability Program



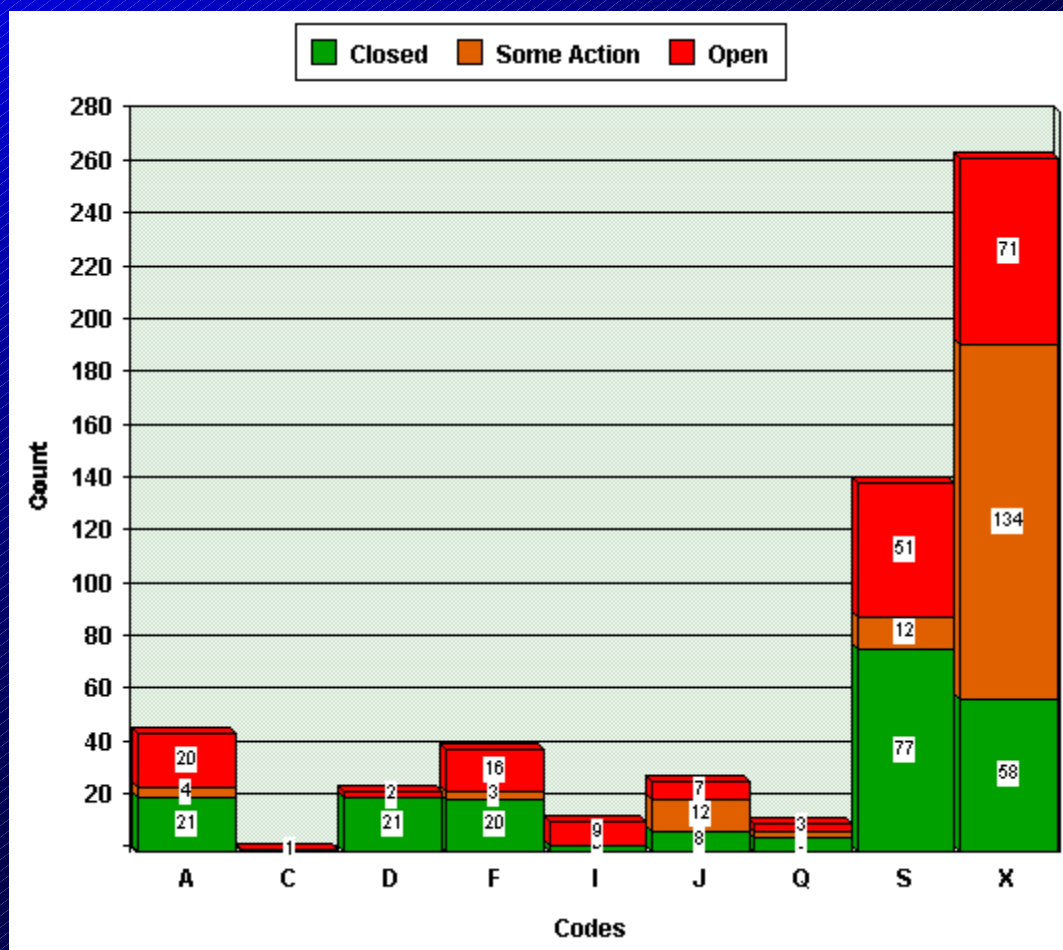


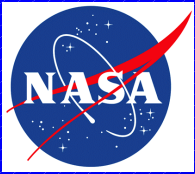
Monthly Safety Meetings Ames Safety Accountability Program





Hazard Correction Ames Safety Accountability Program





Ames Baseline VPP Status

All VPP Star sites must fully comply with the following elements:

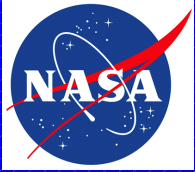
- **Management Leadership & Employee Involvement**

- Management Commitment
- Policy & Goals
- Safety & Health Manual
- ★ **Employee Participation***
- Contractor Safety
- Adequate Authority & Resources
- Management Accountability
- Annual Safety and Health Self-Evaluation

- **Work-site Analysis**

- Industrial Hygiene/Baseline Surveys
- Pre-use JHA of New Facilities, Processes, Materials and Equip.
- Systems to Ensure Safe Work Procedures
- Safety & Health Inspections
- Employee Hazard Reporting System
- Accident/Incident Investigation
- Injury/Illness Rate Trend Analysis

****Most Important***

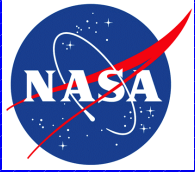


Ames VPP Schedule

- **Phase I**

Foundation Building Phase July - Oct 2000

- **Management Review and Approval**
- **Union Commitment?**
- **Visit Star Sites and VPP Conference**
- **Draft Application**
- **Develop Work Plan and Schedule**
- **VPP Communication Plan/Materials**
- **OSHA/VPP Meetings**
- **Update Gap Analysis**



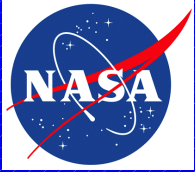
Ames VPP Schedule

Phase II

- **Phase II**

Application Phase October 2000 - September 2001

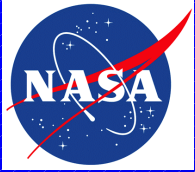
- **Kick-off at Safety Week**
- **Implement Communications Plan**
- **Detailed Self-assessment**
- **OSHA Pre-assessment (May 21, 2001)**
- **Correct Deficiencies**
- **Revise and Submit Application**



Ames VPP Schedule

Phase III

- **Phase III**
 - Certification Phase October 2001**
 - **Boost Employee Awareness**
 - **Center-wide Facility Sweep**
 - **Final Procedures and Records Review**
 - **On-site VPP/OSHA Visit**
 - **Issue Resolution**
 - **Certification**



Performance Evaluation Profile (PEP) Status

- System Safety Survey (Completed)

- Managers: 73% Participation Management 3.3
- Employees: 66% Participation Employees 3.4

Center Average 3.35

- Occupational Safety Survey (Completed)

- Managers: 87% Participation Management 3.8
- Employees: 81% Participation Employees 3.7

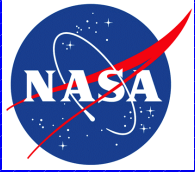
Center Average 3.75

664 Employees/Managers Surveyed For Occ. Safety Survey



Specialized CPR/AED Training





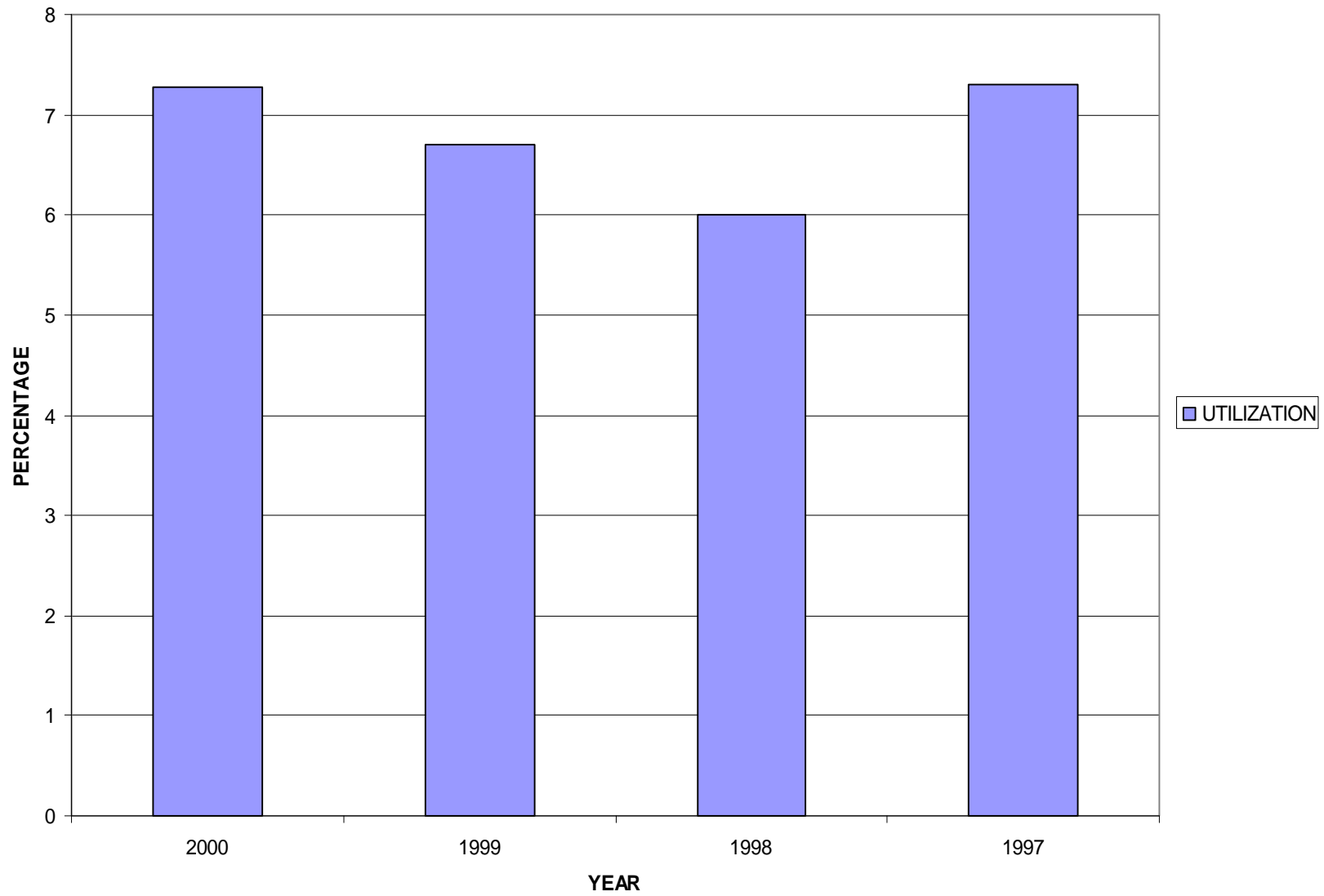
AED Storage Unit with Alarm



Seven units now in service. (Health Unit, Fitness Center, and buildings with high occupancy.)

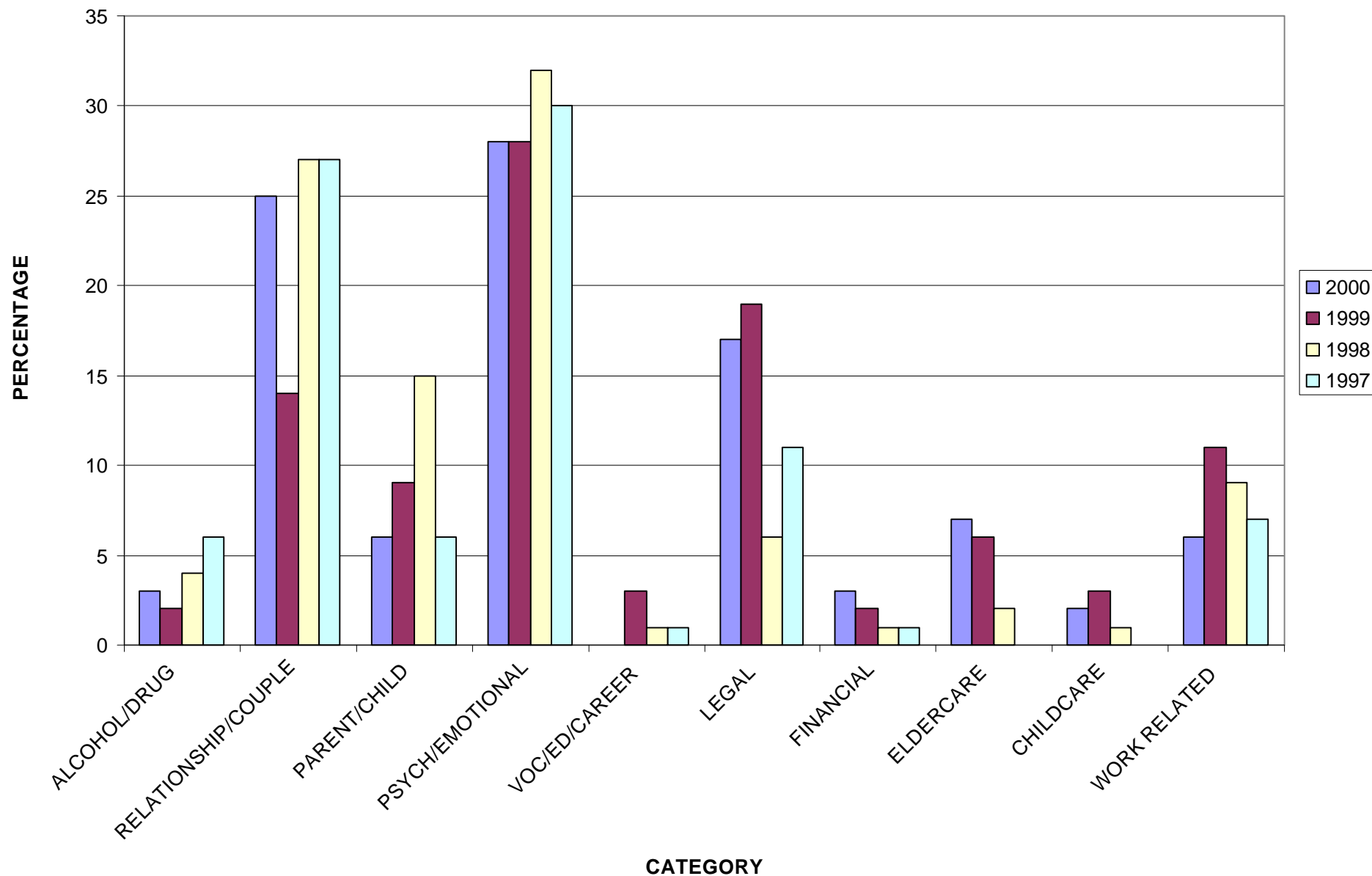


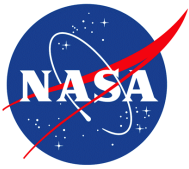
NASA-AMES EAP UTILIZATION



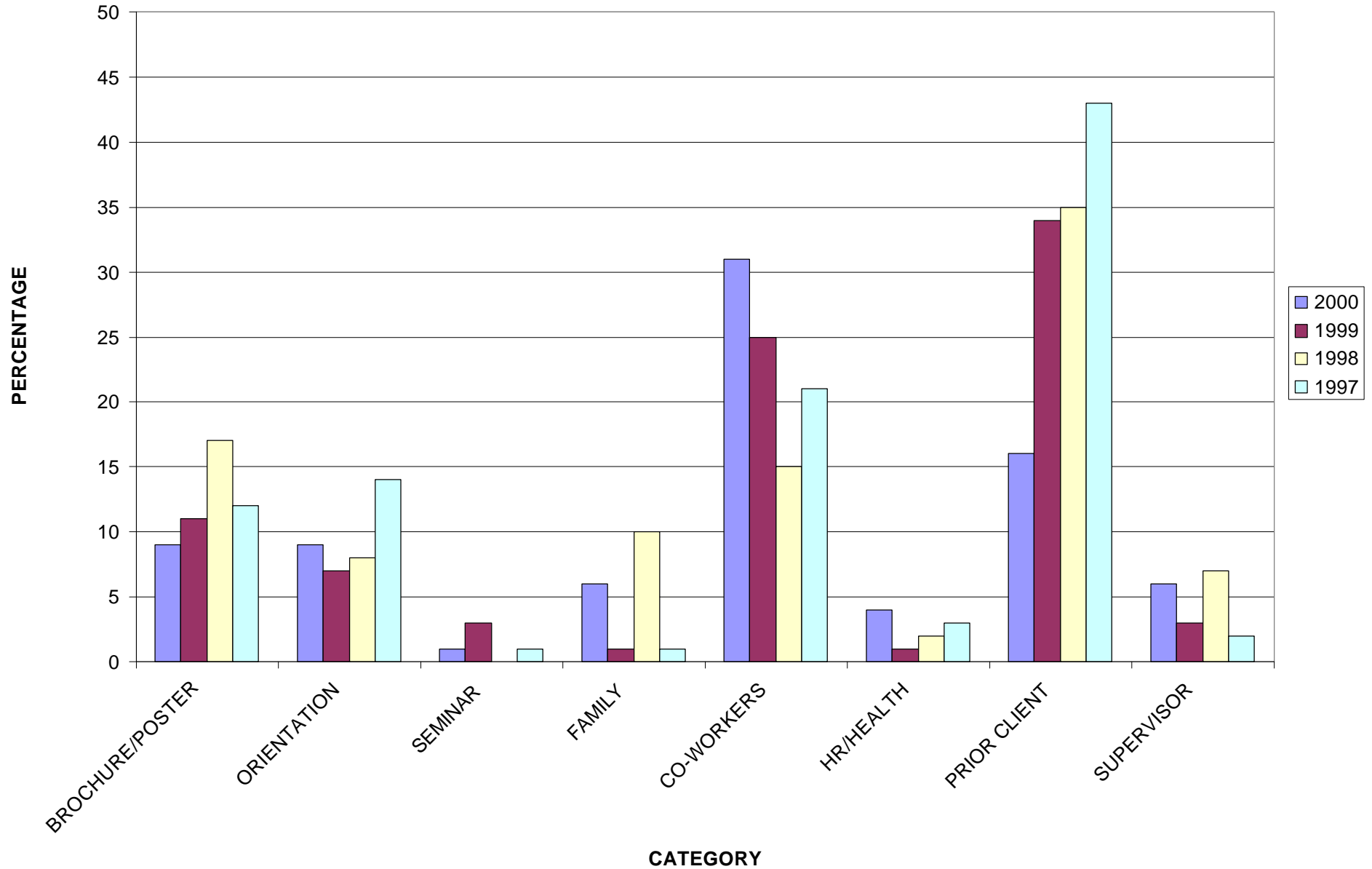


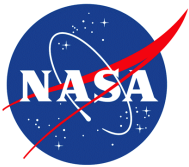
NASA-AMES REASONS FOR USING EAP



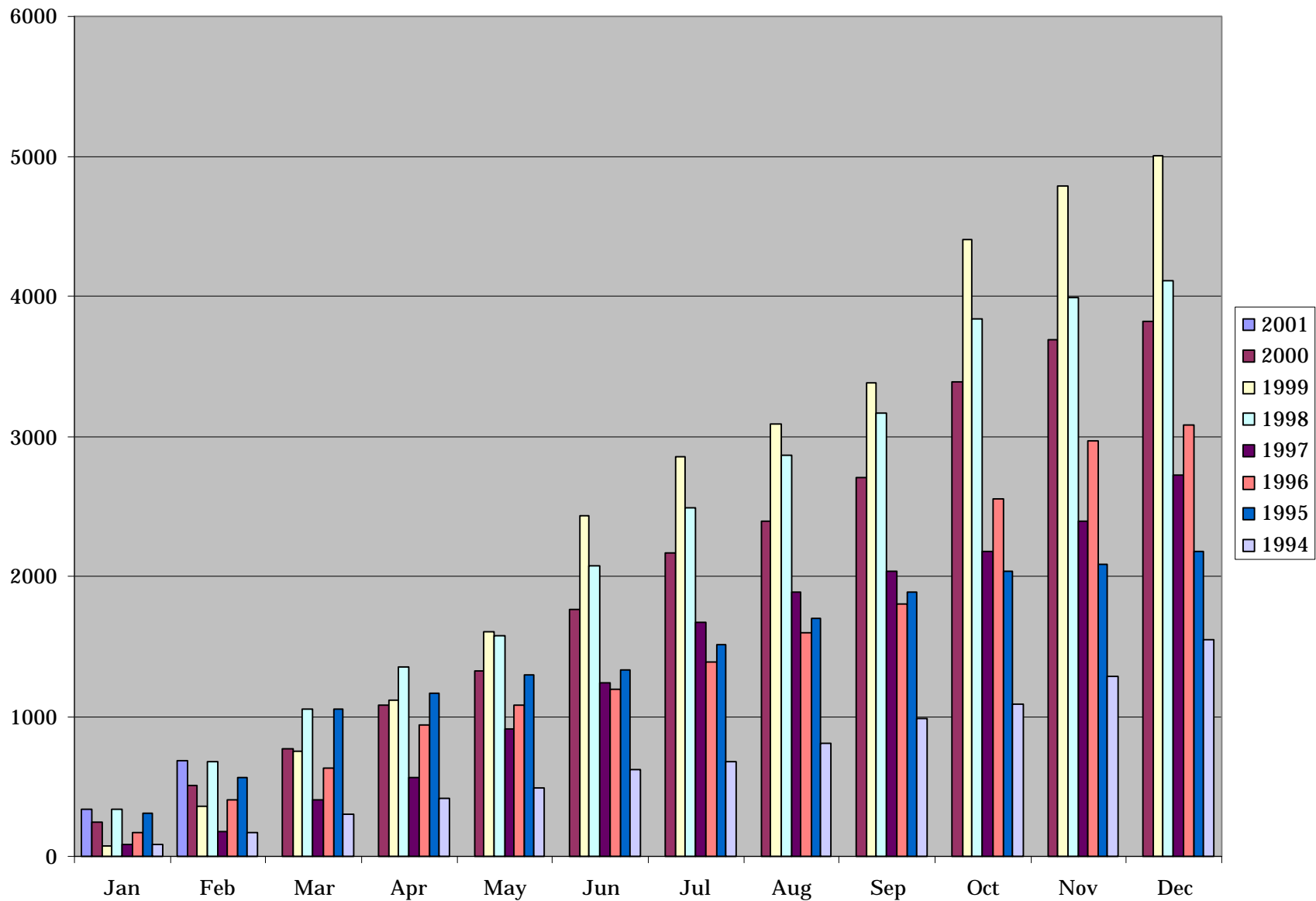


NASA-AMES SOURCE OF REFERRAL TO CONCERN:EAP



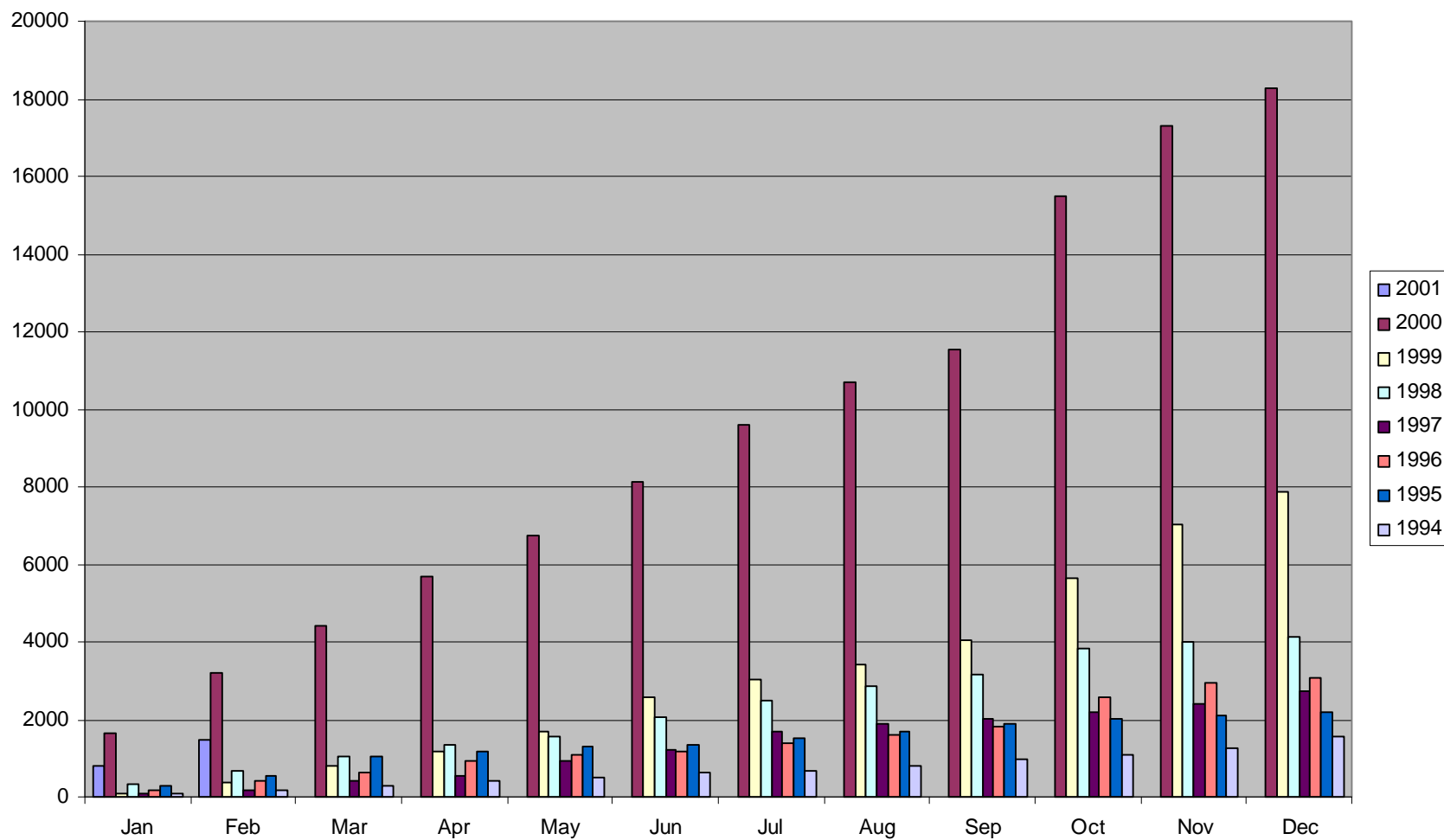


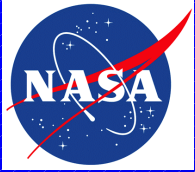
Students Trained Excluding ASAP and VPP





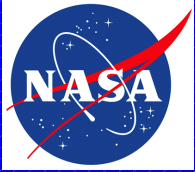
Students Trained with ASAP and VPP





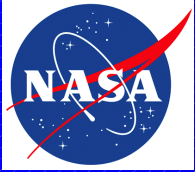
Annual Self-Evaluations

- **Ames conducts annual program review using 29CFR 1960**
 - **Used as a programmatic oversight tool to verify the completeness of our safety program.**
 - **Helps us match VPP requirements**



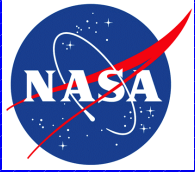
Contractor Safety

- Revitalized our efforts for a careful review of the safety plans in contracts
 - Awareness with contractors has increased
 - Awareness in the Acquisition office has increased significantly
 - Dedicated personnel to implement new NASA FAR supplement requirements
 - 69 of 79 contracts are completed
- Contractor Safety Initiative
 - Contractor safety performance will be tracked like CS and made visible to Center management through CMAR tracking
 - Safety performance will be better documented in past performance (NF 1680) evaluations and award fee evaluations
 - Contractor successes will be celebrated with civil servant successes



Ames Flight Safety

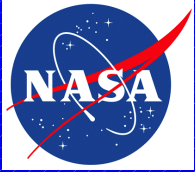
- **Three Aviation Safety Elements** (Dotted Line To Dr. McDonald)
 - **Air Worthiness and Flight Safety Review Board, W. Hall, Chair**
 - **Ground and Flight Safety Officers, Code JO**
 - **Army Flight Safety Officer, Army**
 - **Aviation Safety Advisory Panel (ASAP)**
 - **Inter-Center Aircraft Operations Panel**
- Concur with Ames
Structure for Flight Safety



Response to HQ Memorandums

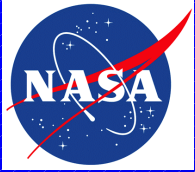
- **“Ideas to improve safety” November 30, 2000**
 - VPP, VPP, VPP, VPP, VPP, VPP, VPP, VPP

- **“Enhancements to Mishap Prevention”
January 12, 2001, Dan Goldin**
 - Safety performance expectations are in all performance plans
 - NASA FAR Supplement is being added to all contracts
 - Contractors are included in VPP and Safety



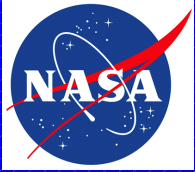
System Safety Program

- **System Safety engineers assigned to high risk projects, including facilities**
 - **System safety analysis, operational hazard analysis performed on all new starts and modification projects**
 - **System Safety is integrated into the Risk Management Program at Ames**
 - **System Safety Independent Assessments are conducted with the Systems Management Office in review of programs**
- **Participation in Ames Committees, panels and boards**
 - **Membership in Design Safety Review Panel, Integrated System Safety Review Board and Independent Technical Committees**



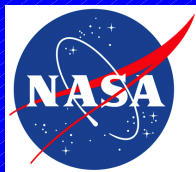
Lessons Learned Information System

- **System Safety Office Manages LLIS at Ames**
 - **Member of Code QS staff assigned to coordinate LLIS for the Center**
 - **LLIS program information is on the code QS website**
 - **Astrogram articles on Lesson Learned**
 - **Requiring projects to address lessons learned at design reviews**
 - **During oversight of projects we identify LL that need to be entered in LLDS**



New Safety & Health Projects

- VPP work, application, training, negotiations
- Contractor Safety Initiative
- Safety Awareness (Family Safety Day, Safety Week, Stand-down day training, Posters, Banners, Bulletins/Notices).
- JACHO Accreditation
- Return to work and WC programs
- Routine Union Negotiations
- Database/Web employee/mgmt. interfaces
- Confined Space Rescue Mgmt.
- Center-wide lead study
- 3 new mishap reporting systems (AZ Reporting, Hot line, Close Calls)
- Safety Accountability (ASAP)
- Center-wide Fire Protection System Evaluation
- Performance Evaluation Profiles (PEP) Centerwide coordination
- Safety Accountability Metrics for QH staff
- Safety Briefings with all Contractors
- Implement Card Key Access to Fitness Center
- NASA Research Park Development and Planning
- Computer Security, CIO duties
- Air show Safety
- Formal Mishap Investigations



BRING THE WHOLE FAMILY!

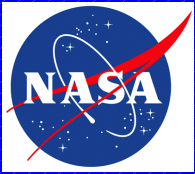
AMES FAMILY SAFETY FAIR

THURSDAY, JULY 15TH • 11 AM - 1 PM

THE SAN JOSE
MUSICAL THEATRE!

MAGIC SHOW!

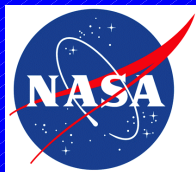
CLOWNS!
and more!

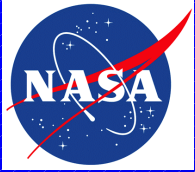


Public Safety



Open House 220,000+ Visitors





Resources

- FY00
 - 25% shortfall QH (~\$750K)
 - Salary, Contract escalation, VPP, training cut by 50%, historical deficit
- AOA
 - 2000 QH input to AOA indicated a need for an increase of 6 FTE to meet regulatory requirements
- Resources, Resources, Resources

